

City of Carlsbad

1635 Faraday Av Carlsbad, CA 92008

07-30-2008

Plan Check Revision

Permit No PCR08076

Building Inspection Request Line (760) 602-2725

Job Address 2055 CORTE DEL NOGAL CBAD
Permit Type PCR
Parcel No 2130610800 Lot # 0
Valuation \$0 00 Construction Type NEW
Reference # CB080879
PC #
Project Title MC CONSULTANTS STRUCTURAL
CHANGES ROOF HATCH RELOCATED

Status ISSUED
Applied 07/21/2008
Entered By JMA
Plan Approved 07/30/2008
Issued 07/30/2008
Inspect Area

Applicant
MC3 CONSTULTANTS INC

Owner
S D C CORTE L L C

STE E
5245 AVENIDA ENCINAS 92008
760 930 9966

7065 EL CAJON BLVD
SAN DIEGO CA 92115

Plan Check Revision Fee
Additional Fees

\$180 00
\$0 00

Total Fees	\$180 00	Total Payments To Date	\$180 00	Balance Due	\$0 00
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FINAL APPROVAL

Inspector _____ Date _____ Clearance _____

NOTICE Please take NOTICE that approval of your project includes the Imposition of fees dedications reservations or other exactions hereafter collectively referred to as fees/exactions You have 90 days from the date this permit was issued to protest imposition of these fees/exactions If you protest them you must follow the protest procedures set forth in Government Code Section 66020(a) and file the protest and any other required information with the City Manager for processing in accordance with Carlsbad Municipal Code Section 3 32 030 Failure to timely follow that procedure will bar any subsequent legal action to attack review set aside void or annul their imposition

You are hereby FURTHER NOTIFIED that your right to protest the specified fees/exactions DOES NOT APPLY to water and sewer connection fees and capacity changes nor planning zoning grading or other similar application processing or service fees in connection with this project NOR DOES IT APPLY to any fees/exactions of which you have previously been given a NOTICE similar to this, or as to which the statute of limitations has previously otherwise expired

EsGil Corporation

In Partnership with Government for Building Safety

DATE **7/29/08**

JURISDICTION **Carlsbad**

PLAN CHECK NO **CB080879 REV 1 (PCR 08-76)** SET **I**

PROJECT ADDRESS **2055 Corte Del Nogal**

PROJECT NAME **Revisions to Office TI for MC Consultants, INC**

☐ APPLICANT
☒ JURIS
☐ PLAN REVIEWER
☐ FILE

- ☐ The plans transmitted herewith have been corrected where necessary and substantially comply with the jurisdiction's building codes
- ☒ The plans transmitted herewith will substantially comply with the jurisdiction's building codes when minor deficiencies identified below are resolved and checked by building department staff
- ☐ The plans transmitted herewith have significant deficiencies identified on the enclosed check list and should be corrected and resubmitted for a complete recheck
- ☐ The check list transmitted herewith is for your information The plans are being held at Esgil Corporation until corrected plans are submitted for recheck
- ☐ The applicant's copy of the check list is enclosed for the jurisdiction to forward to the applicant contact person
- ☐ The applicant's copy of the check list has been sent to

☒ Esgil Corporation staff **did not** advise the applicant that the plan check has been completed

☐ Esgil Corporation staff **did** advise the applicant that the plan check has been completed

- Person contacted Telephone #
Date contacted (by) Fax #
Mail Telephone Fax In Person

☒ REMARKS **1) The red-bubbled change on revised sheet S2 2 needs to be made on the revised sheet S2 2 held at the City 2) The approved revised sheets need to be slipped into the originally approved plans (both sets) Thank you**

By **Tamara Fischer for Abe Doliente**

Enclosures

Esgil Corporation

☐ GA ☐ MB ☐ EJ ☐ PC 7/22/08

VALUATION AND PLAN CHECK FEE

JURISDICTION **Carlsbad**

PLAN CHECK NO **CB080879 REV 1**

PREPARED BY **Tamara Fischer for Abe Doliente**

DATE **7/29/08**

BUILDING ADDRESS **2055 Corte Del Nogal**

BUILDING OCCUPANCY **B**

TYPE OF CONSTRUCTION **VB**

BUILDING PORTION	AREA (Sq Ft)	Valuation Multiplier	Reg Mod	VALUE (\$)
Revisions				
Air Conditioning				
Fire Sprinklers				
TOTAL VALUE				

Jurisdiction Code **cb** By Ordinance

Bldg Permit Fee by Ordinance ▼

Plan Check Fee by Ordinance ▼

\$180 00

Type of Review ☐ Complete Review

☐ Structural Only

☐ Repetitive Fee
☒ **Repeats**

☐ Other

☒ **Hourly** **15** Hours *

Esgil Plan Review Fee

\$144 00

Based on hourly rate

Comments



City of Carlsbad

Building Department

Plan Check Revision No PCR 08-76 Original Plan Check No CB080879
Project Address 2055 CORTE DEL NOGAL Date 7/21/08
Contact SEAN KABO Ph (760) 930-9966 Fax (760) 930-9966 X
Address 5315 AVENIDA ENCINAS, #110/Carlsbad APN _____
Business at this address MC CONSULTANTS

General Scope of Work TENANT IMPROVEMENT

Original plans prepared by an architect or engineer, revisions must be signed & stamped by that person

1 Elements revised

☒ Plans ☒ Calculations ☐ Soils ☐ Energy ☐ Other _____

2 Describe revisions in detail	3 List page(s) where each revision is shown	4 List revised sheets that replace existing sheets
STRUCTURAL CHANGES DETAIL 16, 19, 20	A 3.3 S 1.2	S 1.2
STRUCTURAL CHANGES BEARING WALL REVISION	S 2.2	S 2.2
STRUCTURAL CHANGES STAIRS & WALL/POST SUPPORT	S 2.3	S 2.3
ROOF HATCH RELOCATED	A 3.3	A 3.3

5 Does this revision, in any way, alter the exterior of the project? ☐ Yes ☒ No

6 Does this revision add ANY new floor area(s)? ☐ Yes ☒ No

7 Does this revision affect any fire related issues? ☐ Yes ☒ No

8 Is this a complete set that replaces the original permitted set? ☒ Yes ☒ No

☒ Signature See Her



City of Carlsbad

Building Department

Plan Check Revision No PCR 08-76 Original Plan Check No CBO80879
Project Address 2055 CORTE DEL NOGAL Date 7/21/08
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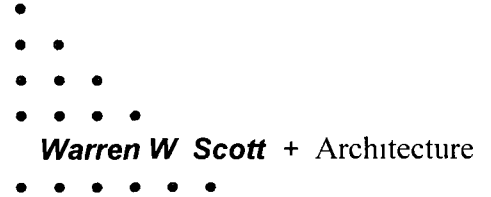
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☒ Signature See Uer



Structural Calculations

July 18, 2008

Project MC2 Consultants TI, 2055 Corte Del Nogal, Carlsbad
Contractor MC3 Consultants

Additional Calculations

The attached are structural calculations for the supporting beam for the movable wall system at the second floor See sheet S2 3 for plan and S1 2 for details

Warren W. Scott
Warren W. Scott + Architecture
WSA Inc

City

PCR08-76

763 Second Street • Suite 200 • Encinitas • California • 92024 • 760.943.8180 • FAX 760.943.0119

ORIG CBO80879



Palos Verdes Engineering Corporation
Consulting Structural Engineers

6027-I Paseo Delicias • P O Box 2211 • Rancho Santa Fe, CA 92067
Telephone (858) 759-2434 • Fax (858) 759-8324

JOB 24 05 261
SHEET NO 1 OF 2
CALCULATED BY PSC DATE 6-16-09
CHECKED BY _____ DATE _____
SCALE _____

PROJECT

MC2

2055 CODE DEL NUGAL

CARLSBAD, CA

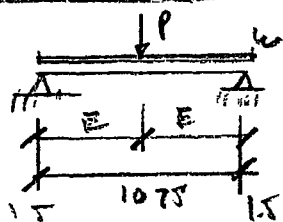
• BE MOVABLE PARTITION WALL

$$WT = 80 \text{ PSF}$$

$$W = 80 \text{ PSF} \times 9.5' = 760 \text{ PF} \quad , \quad SPAN = 31.5'$$

USE W10x22 STEEL BM \rightarrow PG. 2

2) SUPPT BM @ POY



$$W = 100 \text{ PF}$$

$$P = 1.8 \text{ K}$$

$$M = 75000$$

$$V = 1450$$

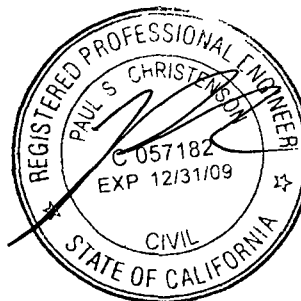
$$\Delta = 6.10'$$

$$S = \frac{75,000}{875,000} = 89.1 \text{ in}^3 < 121$$

$$A = \frac{1.5 \times 1450}{85-10} = 256 \text{ in}^2 > 63$$

$$\Delta = 4300 = 0.73" > 0.1" \rightarrow \text{OK}$$

USE 6x12



Steel Beam Design

License # KW-06006948

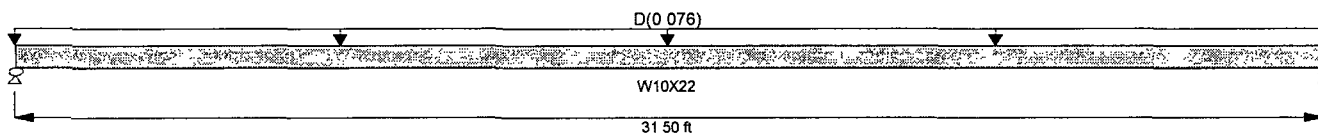
License Owner: PALOS VERDES ENGINEERING CORP.

Description Movable Partition Wall Beam

Material Properties

Calculations per IBC 2006, CBC 2007, 13th AISI

Analysis Method	Allowable Stress Design	Fy Steel Yield	50 0 ksi
Beam Bracing	Beam is Fully Braced against lateral torsion buckling	E Modulus	29 000 0 ksi
Bending Axis	Major Axis Bending		
Load Combination	2006 IBC & ASCE 7-05		



Applied Loads

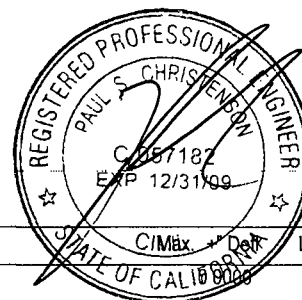
Service loads entered Load Factors will be applied for calculations

Beam self weight calculated and added to loads
 Load for Span Number 1
 Uniform Load D = 0.0760 k/ft Tributary Width = 1.0 ft

DESIGN SUMMARY

Maximum Bending Stress Ratio =	0.188	Maximum Shear Stress Ratio =	0.032
Section used for this span	W10X22	Section used for this span	W10X22
Mu Applied	12.166 k-ft	Vu Applied	1.545 k
Mn / Omega Allowable	64.870 k-ft	Vn/Omega Allowable	48.960 k
Load Combination	+D	Load Combination	+D
Location of maximum on span	15.644 ft	Location of maximum on span	0.000 ft
Span # where maximum occurs	Span # 1	Span # where maximum occurs	Span # 1

Maximum Deflection		Support Reactions (kips)	
Max Downward Live Load Deflection	0.000 in	D	1.54
Max Upward Live Load Deflection	0.000 in	L+Lr	1.54
Live Load Deflection Ratio	0.360		
Max Downward Total Deflection	0.642 in		
Max Upward Total Deflection	0.000 in		
Total Deflection Ratio	588		



Overall Maximum Deflections - Unfactored Loads

Load Combination	Span	Max Defl	Location in Span	Load Combination	Max Defl	Location in Span
D Only	1	0.6419	15.856	D Only	0.000	0.000

Maximum Deflections for Load Combinations - Unfactored Loads

Load Combination	Span	Max Downward Defl	Location in Span	Max Upward Defl	Location in Span
D Only	1	0.6419	15.856	0.0000	0.000

Maximum Reactions - Unfactored

Note: Only non zero reactions are listed

Load Combination	Support	Vertical Reaction
Overall MAXimum	Support 1 (D Only)	1.545
Overall MAXimum	Support 2 (D Only)	1.545
D Only	Support 1	1.545
D Only	Support 2	1.545

7/21/08 - To Esgr w/STRUCT + CBO80879
City @ PCR area

7/30/08 RTF N owner @ PCR
city set filed

7/30/08 ISSUED